

WHAT IS CLAIMED IS:

1. A method of manufacturing a thin film transistor liquid crystal structure comprising the steps of:

- (a) providing an insulating structure;
- (b) forming a gate structure on a portion of said insulating substrate;
- (c) forming an insulating layer on said gate structure and said insulating substrate;
- (d) forming a first semiconductor structure and a second semiconductor structure on said insulating layer;
- (e) forming a conducting layer on said insulating layer and said second semiconductor structure;
- (f) etching said conducting layer to define a source region and a drain region and a curved structure with an inclination; and
- (g) forming a transparent electrode on said curved structure, wherein said transparent electrode is electrically contacted with said source region and said drain region.

2. The method of claim 1 wherein an angle of said inclination is about 3 to 20 degrees.

3. The method of claim 1 wherein said conducting layer is formed from a metallic material.

4. The method of claim 1 said curved structure is an awl-shaped structure.

5. The method of claim 1 wherein said curved structure is a conical structure.

6. The method of claim 1 wherein said transparent electrode is formed from indium-tin-oxide.

7. A thin film transistor liquid crystal display comprising:

an insulating substrate;

a thin film transistor formed on said insulating substrate;

a curved structure with an inclination formed on said insulating substrate; and

a transparent electrode layer formed on said curved structure.

8. The thin film transistor liquid crystal display of claim 7 wherein an angle of said inclination is about 3 to 20 degrees.

9. The thin film transistor liquid crystal display of claim 7 wherein said curved structure is an awl-shaped structure.

10. The thin film transistor liquid display of claim 7 wherein said curved structure is a conical structure.

11. The thin film transistor liquid display of claim 7 wherein said transparent electrode is formed from indium-tin-oxide.